

STN Columbus

* * * * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS 4 OCT 28 KOREAPAT now available on STN
NEWS 5 NOV 30 PHAR reloaded with additional data
NEWS 6 DEC 01 LISA now available on STN
NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004
NEWS 8 DEC 15 MEDLINE update schedule for December 2004
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and February 2005
NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
NEWS 18 FEB 10 STN Patent Forums to be held in March 2005
NEWS 19 FEB 16 STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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* * * * * * * * * * * STN Columbus * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:38:23 ON 22 FEB 2005

| => fil reg | COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|----------------------|------------------|---------------|
| FULL ESTIMATED COST | | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 06:38:52 ON 22 FEB 2005

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 FEB 2005 HIGHEST RN 834857-08-8
DICTIONARY FILE UPDATES: 20 FEB 2005 HIGHEST RN 834857-08-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=>
L1      SCREEN CREATED

=>
L2      STRUCTURE uploaded

=>
L3      QUE L2 AND L1

=> s l3 sam sss
SAMPLE SEARCH INITIATED 06:40:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      67 TO ITERATE

100.0% PROCESSED      67 ITERATIONS          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:     849 TO    1831
PROJECTED ANSWERS:        0 TO      0
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L4 0 SEA SSS SAM L2 AND L1

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=> log h
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          1.72           1.93
```

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:41:07 ON 22 FEB 2005

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 06:43:16 ON 22 FEB 2005
FILE 'REGISTRY' ENTERED AT 06:43:16 ON 22 FEB 2005
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COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          1.72           1.93
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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 2.58 | 2.79 |

SESSION WILL BE HELD FOR 60 MINUTES
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* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'REGISTRY' AT 06:46:16 ON 22 FEB 2005
 FILE 'REGISTRY' ENTERED AT 06:46:16 ON 22 FEB 2005
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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 2.58 | 2.79 |

=>
 L5 STRUCTURE UPLOADED

=> s 15 sam sss
 SAMPLE SEARCH INITIATED 06:47:31 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 93 TO ITERATE

100.0% PROCESSED 93 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 1282 TO 2438
 PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 sss full
 FULL SEARCH INITIATED 06:48:13 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 1967 TO ITERATE

100.0% PROCESSED 1967 ITERATIONS 5 ANSWERS
 SEARCH TIME: 00.00.01

L7 5 SEA SSS FUL L5 — Save J

=> d bib ab hitstr 1-5
 'BIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
 'AB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
 'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
 SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used

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SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties

EPROP - Table of experimental properties

PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract

APPS -- Application and Priority Information

BIB -- CA Accession Number, plus Bibliographic Data

CAN -- CA Accession Number

CBIB -- CA Accession Number, plus Bibliographic Data (compressed)

IND -- Index Data

IPC -- International Patent Classification

PATS -- PI, SO

STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels

IBIB -- BIB, indented, with text labels

ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations

SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

ENTER DISPLAY FORMAT (IDE):end

| | SINCE FILE | TOTAL |
|----------------------|------------|---------|
| | ENTRY | SESSION |
| => fil ca | | |
| COST IN U.S. DOLLARS | | |
| FULL ESTIMATED COST | 165.20 | 165.41 |

FILE 'CA' ENTERED AT 06:48:42 ON 22 FEB 2005

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FILE COVERS 1907 - 17 Feb 2005 VOL 142 ISS 9
FILE LAST UPDATED: 17 Feb 2005 (20050217/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17
L8 2 L7

=> d bib ab hitstr 1-2

L8 ANSWER 1 OF 2 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 141:173964 CA

TI Preparation of organophotoreceptors with charge transport materials having two linked hydrazone groups

IN Tokarski, Zbigniew; Jubran, Nusrallah; Getautis, Vytautas; Daskeviciene, Maryte; Gaidelis, Valentas; Jankauskas, Vygintas

PA Samsung Electronics Co., Ltd., S. Korea

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | EP 1443039 | A1 | 20040804 | EP 2004-250289 | 20040121 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | US 2004152002 | A1 | 20040805 | US 2003-749174 | 20031230 |
| | JP 2004234005 | A2 | 20040819 | JP 2004-20899 | 20040129 |
| PRAI | US 2003-443919P | P | 20030131 | | |
| | US 2003-749174 | A | 20031230 | | |

OS MARPAT 141:173964

AB The present invention provides an organophotoreceptor comprising an elec. conductive substrate and a photoconductive element on the elec. conductive substrate. The photoconductive element comprises linked hydrazones I [R1-R5 = independently alkyl, alkaryl, aryl, heterocycl; R6, R7 = independently H, alkyl, alkaryl, aryl, heterocycl; Y = branched or linear linking alkylene group (CH₂)^m where 1 or more of the methylene groups are optionally replaced; m = 1-20; X = aryl, heteroaryl; Z = arylamine group, such as carbazole, julolidine, or (N,N-disubstituted)arylamine group] and a charge generating compd. Thus, condensation of Ph₂NNH₂.HCl with 4-(diethylamino)-2-hydroxybenzaldehyde gave the corresponding hydrazone, which reacted with epoxypropyl hydrazone II (prepn. given) to yield linked hydrazone III. Charge mobility measurements and ionization potentials of the prepd. linked hydrazones are given. Corresponding electrophotog. apparatuses and imaging methods are also described.

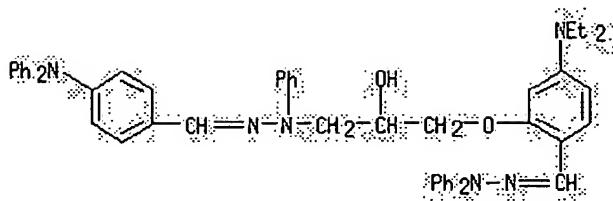
IT 688008-07-3P 688008-08-4P 688008-09-5P

688008-10-8P 688008-11-9P

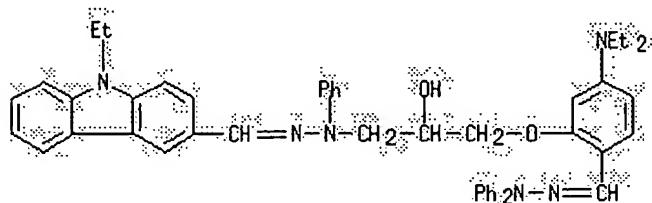
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. of organophotoreceptors with charge transport materials having two linked hydrazone groups)

RN 688008-07-3 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diphenylamino)phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)

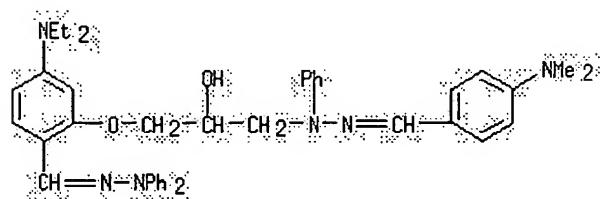


RN 688008-08-4 CA

CN 9H-Carbazole-3-carboxaldehyde, 9-ethyl-, [3-[5-(diethylamino)-2-[(diphenylhydrazone)methyl]phenoxy]-2-hydroxypropyl]phenylhydrazone (9CI)
(CA INDEX NAME)

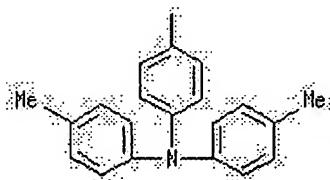
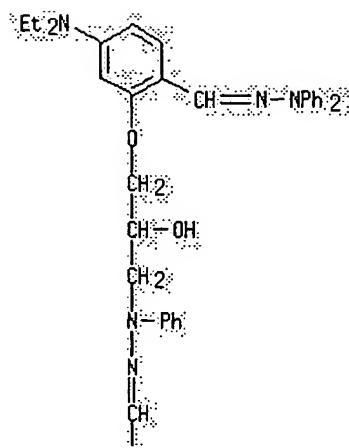
RN 688008-09-5 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(dimethylamino)phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)

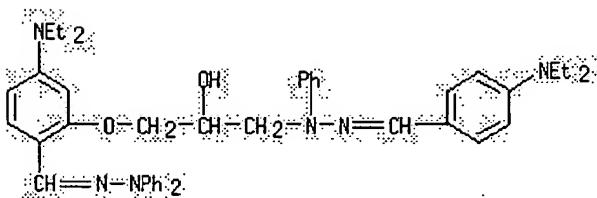


RN 688008-10-8 CA

CN Benzaldehyde, 2-[3-[[[4-[bis(4-methylphenyl)amino]phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-4-(diethylamino)-, diphenylhydrazone (9CI)
(CA INDEX NAME)



RN 688008-11-9 CA
 CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diethylamino)phenyl]methylene]phenoxyhydrazino]-2-hydroxypropoxy-, diphenylhydrazone (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 140:397343 CA

TI Organophotoreceptor with charge transport compound with hydrazone groups

IN Tokarski, Zbigniew; Montrimas, Edmundas; Paulauskaite, Ingrida; Law, Kam W.; Jubran, Nusrallah; Gaidelis, Valentas; Jankauskas, Vygintas; Getautis, Vytautas

PA Samsung Electronics Co., Ltd., S. Korea

SO Eur. Pat. Appl., 32 pp.

CODEN: EPXXDW

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DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------|------|------|-----------------|------|
|--|------------|------|------|-----------------|------|

PI EP 1418469 A2 20040512 EP 2003-256699 20031023

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

US 2004106054 A1 20040603 US 2003-644547 20030820

JP 2004151725 A2 20040527 JP 2003-367665 20031028

PRAI US 2002-421182P P 20021028

OS MARPAT 140:397343

AB This invention relates to a novel organo-photoreceptor that comprises at least one photoconductive element comprising (a) a novel charge transport compd. having the formula I (R₁ = carbazole group, julolidine group, p-(N,N-disubstituted) arylamine; R₂₋₆ = alkyl group, aryl group; R_{7,8} = H, alkyl group, aryl group; X = oxygen, sulfur, NR' group; R' = H, alkyl, aryl group; Y = trivalent aryl group); (b) a charge generating compd.; and wherein the at least one photoconductive element is carried on an elec. conductive substrate.

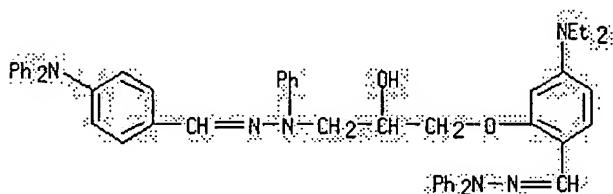
IT 688008-07-3P 688008-08-4P 688008-09-5P

688008-10-8P 688008-11-9P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(electrophotog. organo-photoreceptor with charge transport compd. with hydrazone groups)

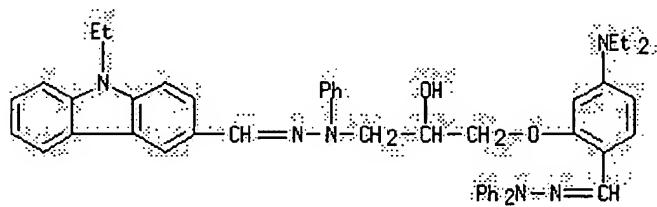
RN 688008-07-3 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diphenylamino)phenyl]methylene]p henylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)



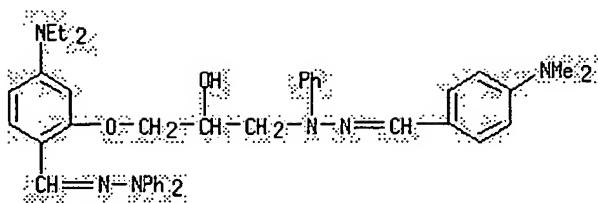
RN 688008-08-4 CA

CN 9H-Carbazole-3-carboxaldehyde, 9-ethyl-, [3-[5-(diethylamino)-2-[(diphenylhydrazono)methyl]phenoxy]-2-hydroxypropyl]phenylhydrazone (9CI) (CA INDEX NAME)



RN 688008-09-5 CA

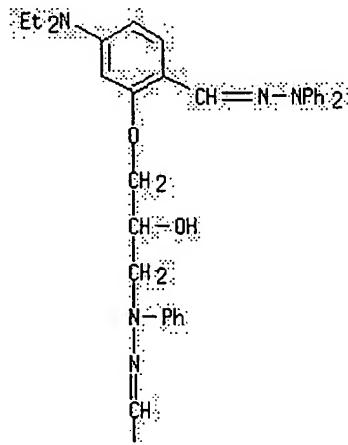
CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(dimethylamino)phenyl]methylene]p henylhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)



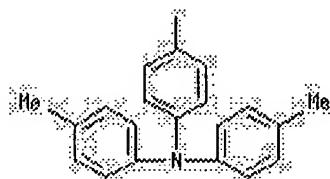
RN 688008-10-8 CA

CN Benzaldehyde, 2-[3-[[[4-[bis(4-methylphenyl)amino]phenyl]methylene]phenylhydrazino]-2-hydroxypropoxy]-4-(diethylamino)-, diphenylhydrazone (9CI)
(CA INDEX NAME)

PAGE 1-A

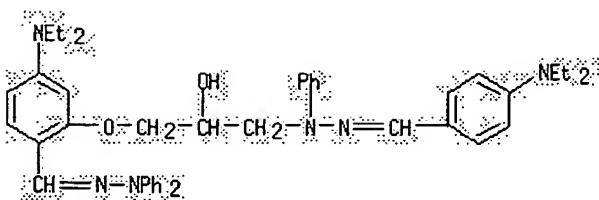


PAGE 2-A



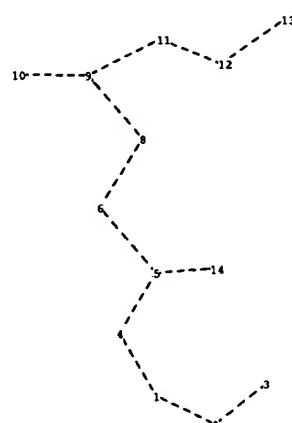
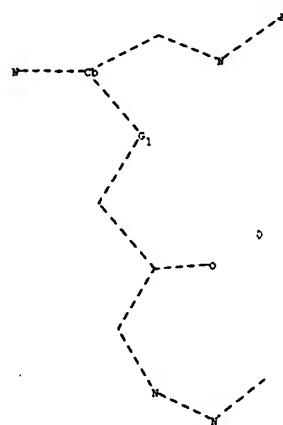
RN 688008-11-9 CA

CN Benzaldehyde, 4-(diethylamino)-2-[3-[[[4-(diethylamino)phenyl]methylene]phenoxyhydrazino]-2-hydroxypropoxy]-, diphenylhydrazone (9CI) (CA INDEX NAME)



=>

LS



chain nodes :

1 2 3 4 5 6 8 9 10 11 12 13 14

chain bonds :

1-2 1-4 2-3 4-5 5-14 5-6 6-8 8-9 9-11 9-10 11-12 12-13

exact/norm bonds :

1-2 1-4 2-3 4-5 5-14 5-6 6-8 8-9 9-11 9-10 11-12 12-13

G1:O,S,N

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 8:CLASS 9:Atom 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS